



NATIONAL SYSTEM FOR GEOSPATIAL INTELLIGENCE

7500 GEOINT Drive
Springfield, Virginia 22150-7500

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MEMORANDUM FOR DISTRIBUTION LIST

SUBJECT: Geospatial Intelligence (GEOINT) Statement of Needs

1. GEOINT provides the contextual and temporal foundation to know the earth's geography and geodesy; to show the way with aeronautical, topographical, and maritime products and services; and to understand the world through advanced analytics. It provides the knowledge that tethers natural phenomena, man-made objects, and related human activities in time and space.
2. GEOINT enables the means to safely navigate the planet's waters, airspace, and terrain; precisely reference objects on the earth and in space; better anticipate future activities; discover new relationships; and uncover unknowns about our environment and threats to national security. GEOINT data, information, and services must be interoperable, time-dominant, and federated to enhance the currency, density, discoverability, and quality of our holdings. We need to increase the use of automation, open source content, commercial analytic services, and advanced modeling and analytic techniques to optimize the full potential of GEOINT in the intelligence enterprise and anticipate behaviors.
3. GEOINT allows for the discovery, identification, characterization, tracking, and monitoring of objects or activities of interest. It must be available and accessible in all weather conditions and during the day or at night, and it must have adequate temporal, spectral, and spatial diversity and quality to permit understanding. We must also be able to convey high-confidence, anticipatory intelligence to our partners and customers at the appropriate classification level regardless of the GEOINT source.
4. Our GEOINT needs include the ability to:
 - Operate more with and in the open, leverage non-government sources, and understand how these data could be used or manipulated by our adversaries.
 - Receive recurring collection to support discovery and forensic GEOINT.
 - Detect, observe, and monitor details to identify and understand changes in signatures.
 - Characterize objects through diverse temporal, spatial, and spectral sources to defeat denial and deception practices.

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- Monitor and track objects and activities for sufficient periods of time to determine patterns of life and maintain custody.
- Model the relationships between events, objects, and activities essential to predictive analysis.
- Assess objects to detect change and provide context for known or unknown activities.
- Convey dynamic events across the globe using various sources.
- Assure access to foundation knowledge at all times, against all threats, on the appropriate security domains supporting the full range of operations to address intelligence, military, scientific, and civil GEOINT needs.

5. The validated and prioritized needs of the GEOINT community will be used as the basis for developing our people, driving future capabilities, making value trades, and assessing risk. All partners should take an expansive view of potential solutions and capabilities to address these needs and identify areas of potential shared responsibility and growth. We must have the flexibility and agility to take advantage of our collective knowledge, skills, and talent in a dynamic world that increasingly relies on geospatially referenced information. Reaching our goal requires us to partner differently across the Intelligence Community, the military, international partners, civil authorities, industry, and academia. I am seizing this leadership opportunity to focus the National and Allied Systems for Geospatial Intelligence (NSG/ASG) on enterprise-level priorities; orchestrate the means to create, acquire, and broker authoritative content and services; and differentiate GEOINT as an activity-based, anticipatory, and predictive intelligence domain.

6. I look forward to teaming with you to address our most vexing GEOINT challenges and posture our enterprise to confront future threats.



Robert Cardillo
GEOINT Functional Manager

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